

## CONTENTS TO VOLUME 62

### *Vol. 62 No. 1 July 1993*

Publisher's note	1
OSMAN M. KAMEL and ADEL S. SOLIMAN / Expansion of the Planetary Hamiltonian Function	3
K. A. HÄMEEN-ANTTILA and HEIKKI SALO / Generalized Theory of Impacts in Particulate Systems	47
The 'KLUWER' LaTeX Style File: Instructions for Authors	85

### *Vol. 62 No. 2 August 1993*

AMR A. SHARAF / Prediction of Trajectories in the Earth's Gravitational Field with Axial Symmetry Using KS Uniform Regular Elements	93
V. P. VOLKOV and M. YA. FRENKEL' / The Modeling of Venus' Degassing in Terms of K-Ar System	117
OSMAN M. KAMEL / Placing Venus in an Orbit Similar to That of the Earth (Part I)	131
MILAN BURŠA / Tidal Potential Due to General Bodies	139
J. KLAČKA / Radiation Forces and Nonspherical Dust Particles	145
MILAN BURŠA / Distribution of Gravitational Potential Energy within the Solar System	149
MERVAT EL-SAYED AWAD / Oblateness and Drag Effects on the Motion of Satellites in the Set of Eulerian Redundant Parameters	161
PAOLO LANZANO / Solitary Waves of Vortices within a Rotating, Fluid Shell	179
The 'KLUWER' LaTeX Style File: Instructions for Authors	191

### *Vol. 62 No. 3 September 1993*

PHILIP J. STOOKE / The Shapes and Surface Features of Prometheus and Pandora	199
PHILIP J. STOOKE and MATTHEW P. LUMSDON / The Topography of Janus	223
J. KLAČKA / Aberration of Light and the Poynting-Robertson Effect	239
S. PARHI and G. S. LAKHINA / Criteria for Shear Flow Instability in the Magnetopause Boundary Layer Region	245
GU ZHEN-NIAN / A Possible Contribution of the Solar Wind to Annual Fluctuation in the Length of Day	259

S. N. OJHA and M. S. TIWARI / Shock Wave Propagation in Non-Ideal Fluids	273
The 'KLUWER' LaTeX Style File: Instructions for Authors	289
Author Index	297
Volume Contents	299

